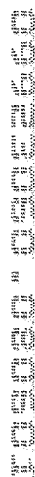


FIG. 1

[illegible]

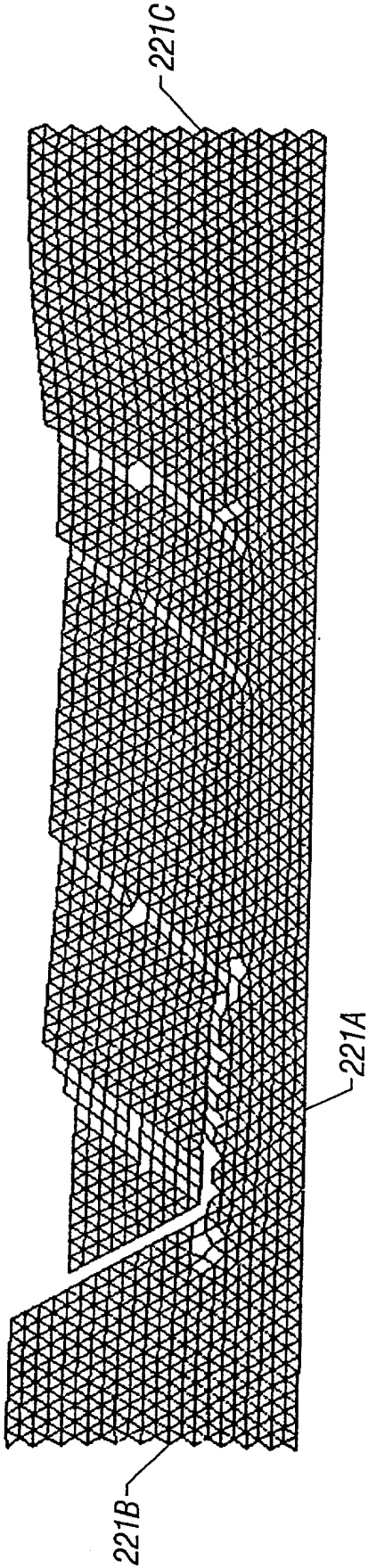


FIG. 2B

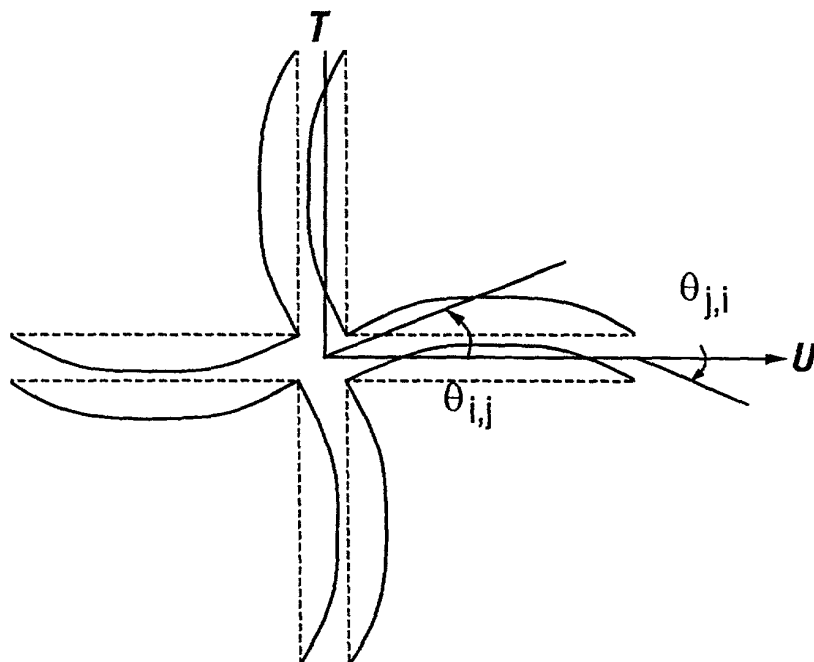


FIG. 3A

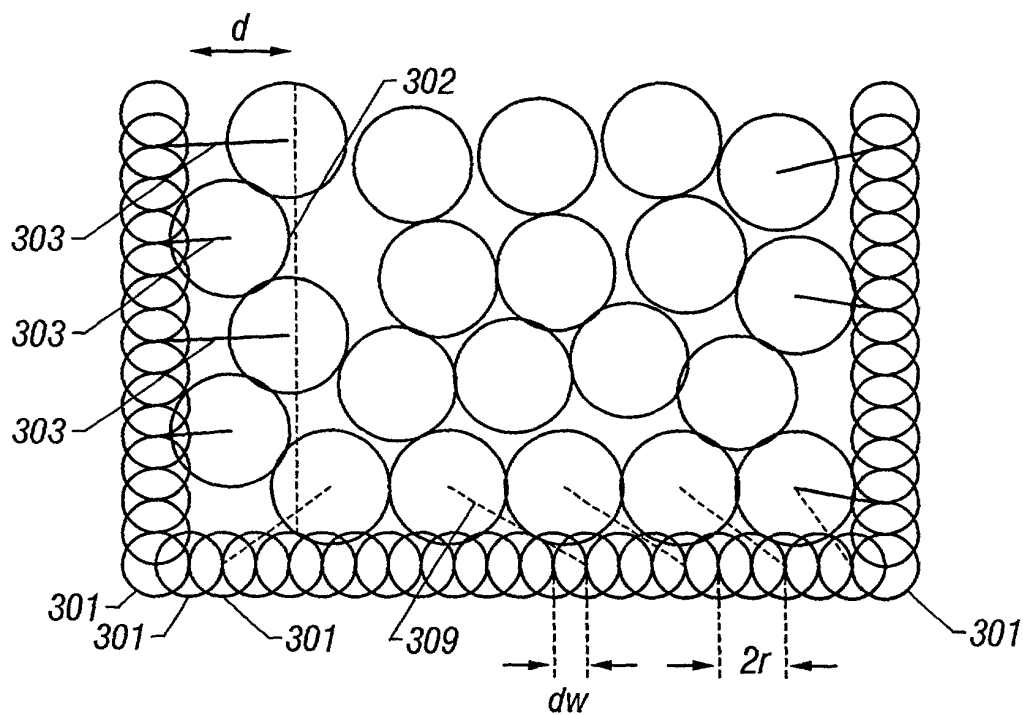


FIG. 4A

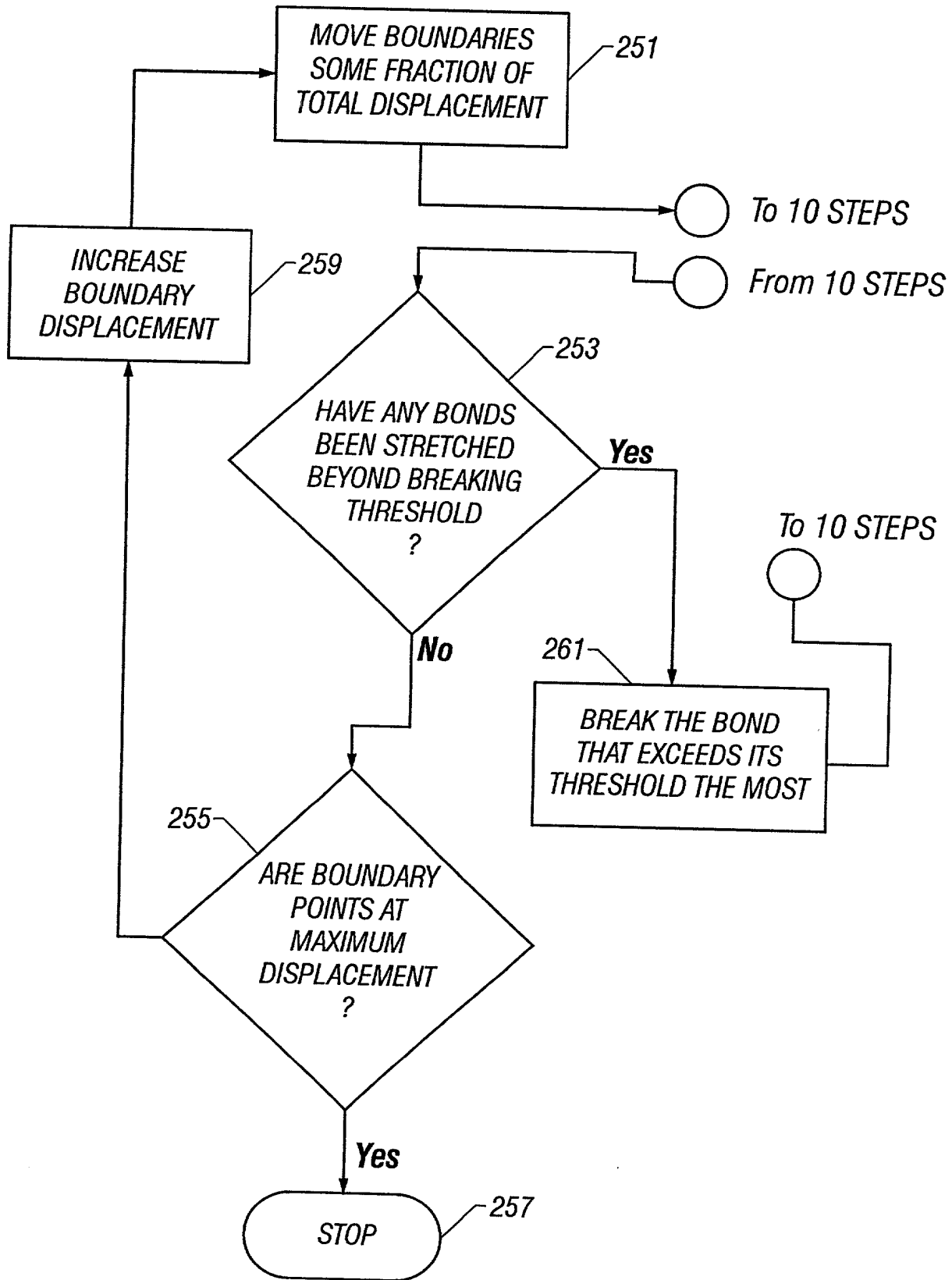


FIG. 3B

6/12

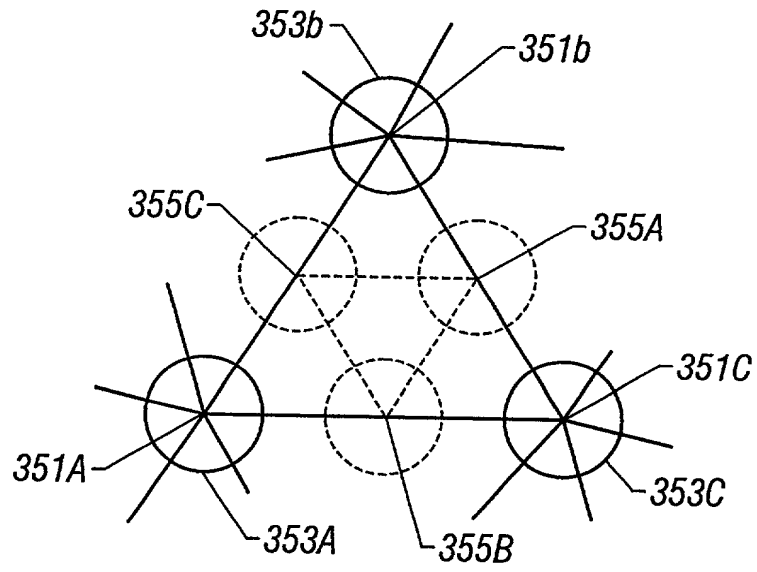


FIG. 4B

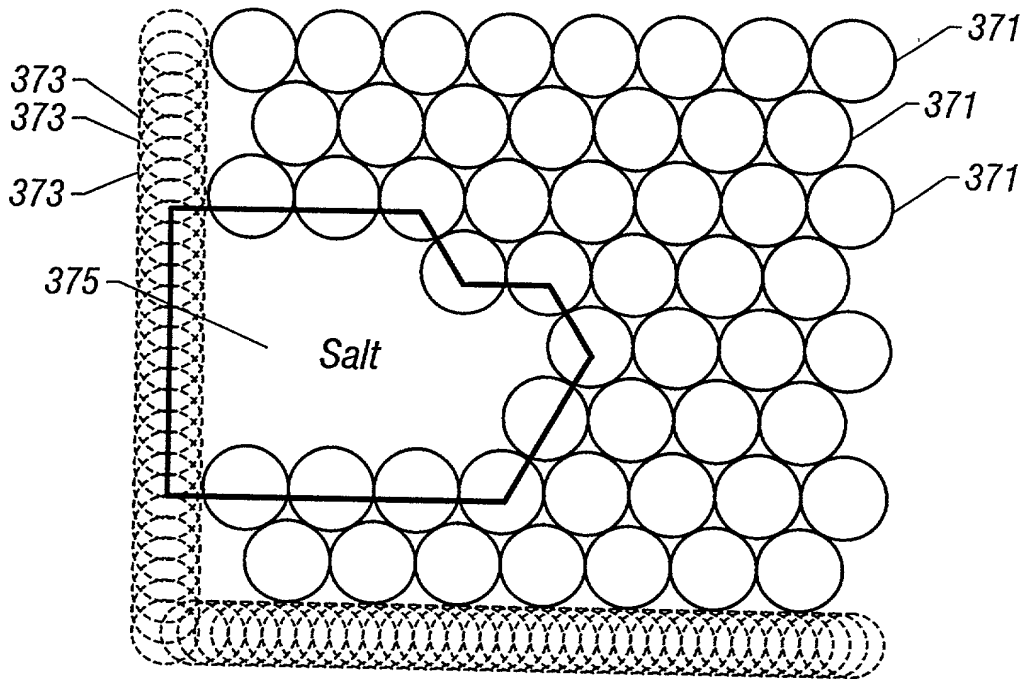


FIG. 4C

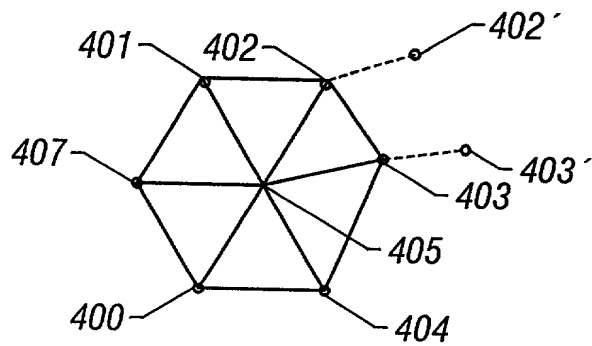


FIG. 5

501 File
503 Edit
505 View
507 Parameters
509 Project
511 Run
513 Animate

FRAM
FRAMView\_F

Mode: 2D
517

Setup Run
◇ Analyze Run

Lattice Size X: 20

XVAspect Ratio: 1.00
XZAspect Ratio: 0.20

Date:
File ID:

Virtual Time: 0.0

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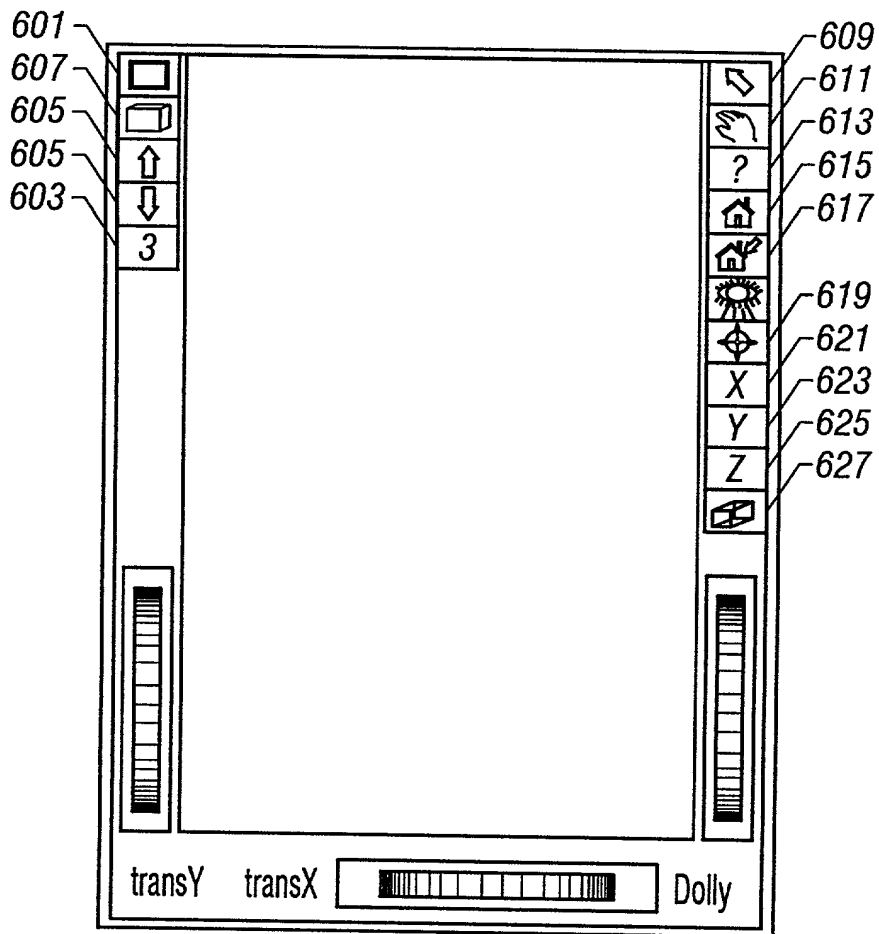


FIG. 7



**FIG. 8**

**FIG. 8**

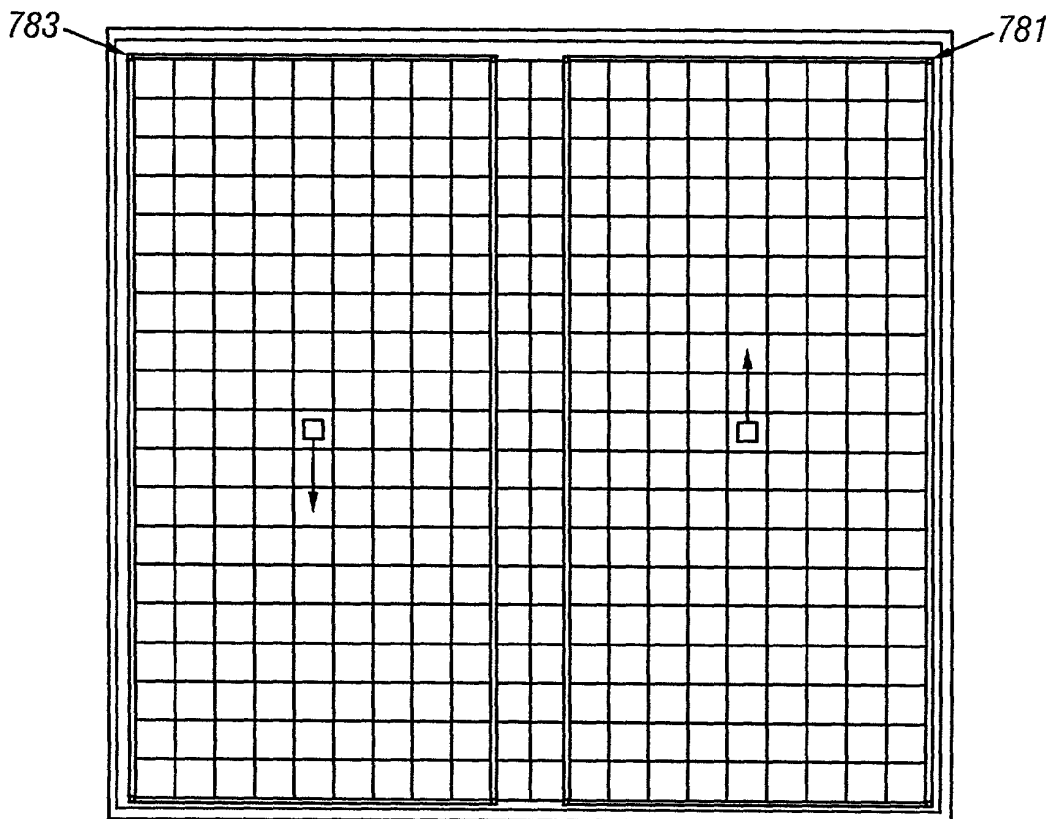
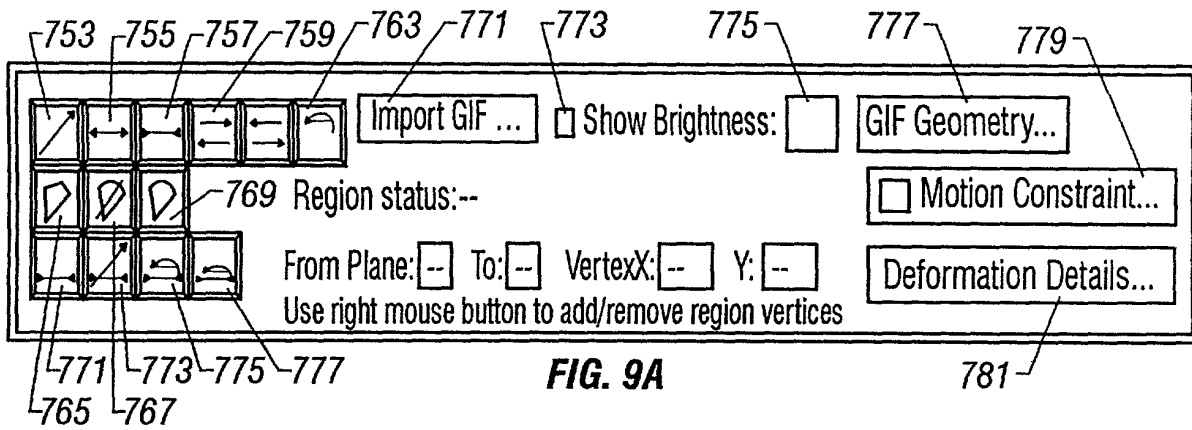


FIG. 9B

11/12

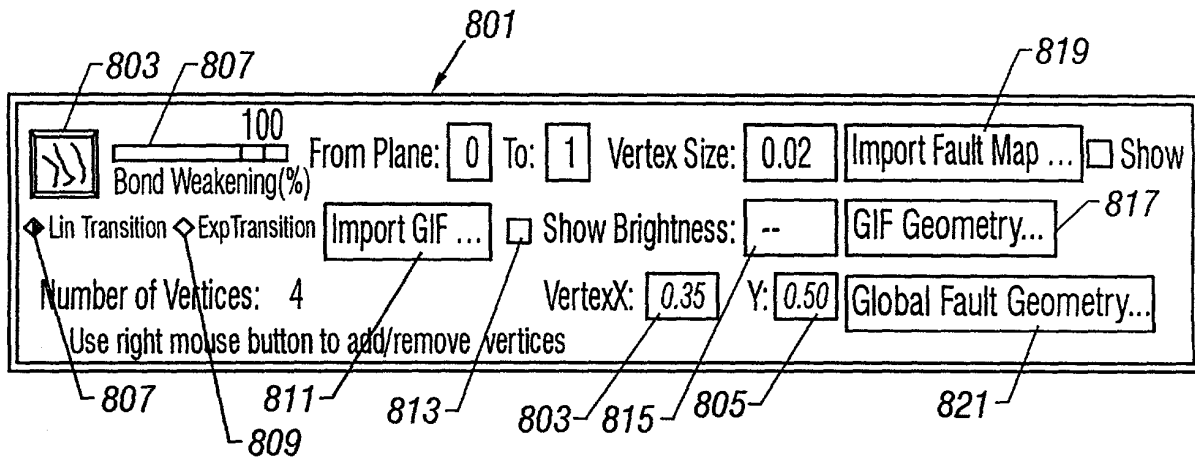


FIG. 10

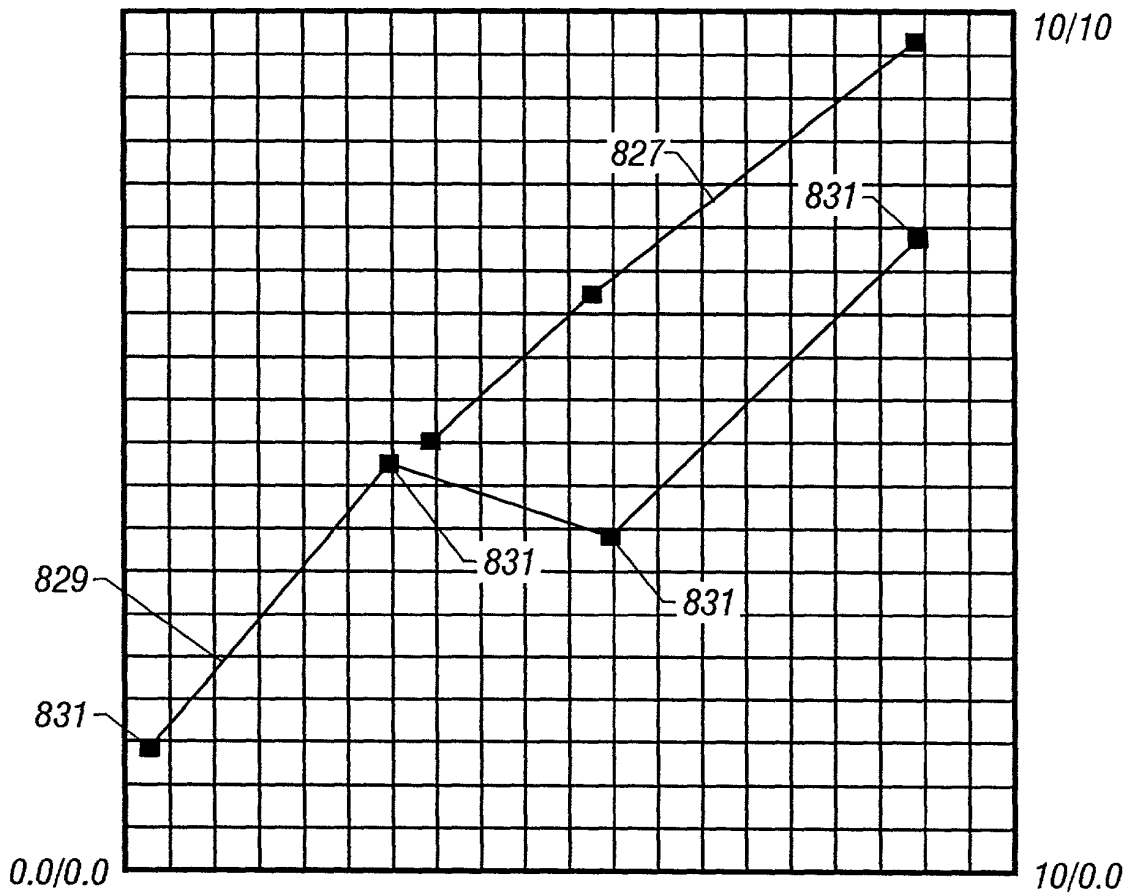


FIG. 11

12/12

851 853 855 857 859 867

861 863 865

Set Color ... LinBond Thrs'Mean: 0.10 LinBond Thrs'SDev: 0.010 Density: 1.00 Force Constants:

ShearStress Thrs'Mean: 0.00 ShearStress Thrs'SDev: 0.000 ExcessHght: 1.50

Material Type: Rock From Plane: 0 To: 4 VertexX: -- Y: --

Use right mouse button to add/remove region vertices

FIG. 12

901 903 907 909 905 911 911 911 911 911 913

Rel. Linear Force Constant k: 1.000e+00

Rel. Shear Force Constant  $k_S$ : --

Substrate Attachment Force Constant  $k_0$ : 0.000e+00

Substrate Attachment Torque Constant  $k_{S0}$ : --

Gamma: --

Wall Attachment Force Constant Left: 1.000e+00

Wall Attachment Force Constant Right: 1.000e+00

Wall Attachment Force Constant Front: 1.000e+00

Wall Attachment Force Constant Rear: 1.000e+00

Wall Attachment Force Constant Bottom: 1.000e+00

Salt Compressibility: --

Done Apply Cancel

FIG. 13